

# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- Abrams, D., Garan, A. R., & Brodie, D. (2019). Awake and fully mobile patients on cardiac extracorporeal life support. *Annals of Cardiothoracic Surgery*, 8(1), 44–53. <https://doi.org/10.21037/acs.2018.08.03>
- Ahmed, S., Daniel Martin, A., & Smith, B. K. (2019). Inspiratory muscle training in patients with prolonged mechanical ventilation: Narrative review. *Cardiopulmonary Physical Therapy Journal*, 30(1), 44–50. <https://doi.org/10.1097/CPT.0000000000000092>
- Algeo, N., & Aitken, L. M. (2019). The evolving role of occupational therapists in adult critical care in England: A mixed methods design using role theory. *Irish Journal of Occupational Therapy*, 47(2), 74–94. <https://doi.org/10.1108/IJOT-04-2019-0005>
- Ali, R., Cornelius, P. J., Herasevich, V., Gajic, O., & Kashyap, R. (2017). Effect of daily use of electronic checklist on physical rehabilitation consultations in critically ill patients. *Journal of Critical Care*, 38, 357–361. <https://doi.org/10.1016/j.jcrc.2016.12.007>
- Altman, M. T., Knauert, M. P., Murphy, T. E., Ahasic, A. M., Chauhan, Z., & Pisani, M. A. (2018). Association of intensive care unit delirium with sleep disturbance and functional disability after critical illness: an observational cohort study. *Annals of Intensive Care*, 8(1), 63. <https://doi.org/10.1186/s13613-018-0408-4>
- Álvarez, E. A., Garrido, M. A., Tobar, E. A., Prieto, S. A., Vergara, S. O., Briceño, C. D., & González, F. J. (2017). Occupational therapy for delirium management in elderly patients without mechanical ventilation in an intensive care unit. A pilot randomized clinical trial. *Journal of Critical Care*, 40, 85–90. <https://doi.org/10.1016/j.jcrc.2017.03.016>
- Anderson, S. P., & Oakman, J. (2016). Allied Health Professionals and Work-Related Musculoskeletal Disorders: A Systematic Review. *Safety and Health at Work*, 7(4), 259–267. <https://doi.org/10.1016/j.shaw.2016.04.001>
- Arnold, M., Radawiec, S., Campo, M., & Wright, L. R. (2011). Changes in functional independence measure ratings associated with a safe patient handling and movement program. *Rehabilitation Nursing: The Official Journal of the Association of Rehabilitation Nurses*, 36(4), 138–144. <https://doi.org/10.1002/j.2048-7940.2011.tb00081.x>
- Bailey, P. P., Miller, R. R., 3rd, & Clemmer, T. P. (2009). Culture of early mobility in mechanically ventilated patients. *Critical Care Medicine*, 37(10 Suppl), S429–S435. <https://doi.org/10.1097/CCM.0b013e3181b6e227>
- Bailey, P., Thomsen, G. E., Spuhler, V. J., Blair, R., Jewkes, J., Bezdjian, L., Veale, K., Rodriguez, L., & Hopkins, R. O. (2007). Early activity is feasible and safe in respiratory failure patients. *Critical Care Medicine*, 35(1), 139–145. <https://doi.org/10.1097/01.CCM.0000251130.69568.87>
- Bakhr, R. N., Wiebe, D. J., McWilliams, D. J., Spuhler, V. J., & Schweickert, W. D. (2015). An Environmental Scan for Early Mobilization Practices in U.S. ICUs. *Critical Care Medicine*, 43(11), 2360. <https://doi.org/10.1097/CCM.0000000000001262>
- Balas, M. C., Weinhouse, G. L., Denehy, L., Chanques, G., Rochweg, B., Misak, C. J., Skrobik, Y., Devlin, J. W., & Fraser, G. L. (2018). Interpreting and Implementing the 2018 Pain, Agitation/Sedation, Delirium, Immobility, and Sleep Disruption Clinical Practice Guideline. *Critical Care Medicine*, 46(9), 1464–1470. <https://doi.org/10.1097/CCM.0000000000003307>
- Barber, E. A., Everard, T., Holland, A. E., Tipping, C., Bradley, S. J., & Hodgson, C. L. (2015). Barriers and facilitators to early mobilisation in Intensive Care: a qualitative study. *Australian Critical Care: Official Journal of the Confederation of Australian Critical Care Nurses*, 28(4), 177–182; quiz 183. <https://doi.org/10.1016/j.aucc.2014.11.001>



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- Barr, J., Fraser, G. L., Puntillo, K., Ely, E. W., Gélinas, C., Dasta, J. F., Davidson, J. E., Devlin, J. W., Kress, J. P., Joffe, A. M., Coursin, D. B., Herr, D. L., Tung, A., Robinson, B. R. H., Fontaine, D. K., Ramsay, M. A., Riker, R. R., Sessler, C. N., Pun, B., ... American College of Critical Care Medicine. (2013). Clinical practice guidelines for the management of pain, agitation, and delirium in adult patients in the intensive care unit. *Critical Care Medicine*, 41(1), 263–306. <https://doi.org/10.1097/CCM.0b013e3182783b72>
- Barrie, K., Cornick, A., Debreuil, S., Lee, E., Hiebert, B. M., Manji, R. A., Bienvenu, O. J., McDonald, B., Singal, R. K., & Arora, R. C. (2019). Patients With a Prolonged Intensive Care Unit Length of Stay Have Decreased Health-Related Quality of Life After Cardiac Surgery. *Seminars in Thoracic and Cardiovascular Surgery*, 31(1), 21–31. <https://doi.org/10.1053/j.semtcvs.2018.07.005>
- Berg, H. E., Larsson, L., & Tesch, P. A. (1997). Lower limb skeletal muscle function after 6 wk of bed rest. *Journal of Applied Physiology*, 82(1), 182–188. <https://doi.org/10.1152/jappl.1997.82.1.182>
- Berney, S. C., Harrold, M., Webb, S. A., Seppelt, I., Patman, S., Thomas, P. J., & Denehy, L. (2013). Intensive care unit mobility practices in Australia and New Zealand: a point prevalence study. *Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine*, 15(4), 260–265. <https://www.ncbi.nlm.nih.gov/pubmed/24289506>
- Bissett, B. M., PhD, Wang, J., MSc, Neeman, T., PhD, Leditschke, I. A., MBBS, Boots, R., PhD, & Paratz, J., PhD. (2020). Which ICU patients benefit most from inspiratory muscle training? Retrospective analysis of a randomized trial. *Physiotherapy Theory and Practice*, 36(12), 1316–1321. <https://doi.org/10.1080/09593985.2019.1571144>
- Brodsky, M. B., Huang, M., Shanholtz, C., Mendez-Tellez, P. A., Palmer, J. B., Colantuoni, E., & Needham, D. M. (2017). Recovery from Dysphagia Symptoms after Oral Endotracheal Intubation in Acute Respiratory Distress Syndrome Survivors. A 5-Year Longitudinal Study. *Annals of the American Thoracic Society*, 14(3), 376–383. <https://doi.org/10.1513/AnnalsATS.201606-455OC>
- Brooks, M., McLaughlin, E., & Shields, N. (2019). Expiratory muscle strength training improves swallowing and respiratory outcomes in people with dysphagia: A systematic review. *International Journal of Speech-Language Pathology*, 21(1), 89–100. <https://doi.org/10.1080/17549507.2017.1387285>
- Bruce, R., & Forry, C. (2018). Integrating a Mobility Champion in the Intensive Care Unit. *Dimensions of Critical Care Nursing: DCCN*, 37(4), 201–209. <https://doi.org/10.1097/DCC.0000000000000306>
- Brummel, N. E., Jackson, J. C., Girard, T. D., Pandharipande, P. P., Schiro, E., Work, B., Pun, B. T., Boehm, L., Gill, T. M., & Ely, E. W. (2012). A combined early cognitive and physical rehabilitation program for people who are critically ill: the activity and cognitive therapy in the intensive care unit (ACT-ICU) trial. *Physical Therapy*, 92(12), 1580–1592. <https://doi.org/10.2522/ptj.20110414>
- Çakmak, A., İnce, D. İ., Sağlam, M., Savcı, S., Yağlı, N. V., Kütükcü, E. Ç., Özel, C. B., Ulu, H. S., & Arıkan, H. (2019). Physiotherapy and Rehabilitation Implementation in Intensive Care Units: A Survey Study. *Turkish Thoracic Journal*, 20(2), 114–119. <https://doi.org/10.5152/TurkThoracJ.2018.18107>
- Campo, M., Shiyko, M. P., Margulis, H., & Darragh, A. R. (2013). Effect of a safe patient handling program on rehabilitation outcomes. *Archives of Physical Medicine and Rehabilitation*, 94(1), 17–22. <https://doi.org/10.1016/j.apmr.2012.08.213>
- Ciccone PT PhD FAPTA, C. (2015). *Pharmacology in Rehabilitation (Contemporary Perspectives in Rehabilitation)* (5th ed.). F.A. Davis Company. <https://www.amazon.com/Pharmacology-Rehabilitation-Contemporary-Perspectives/dp/0803640293>



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- Cichero, J. A. Y., Lam, P., Steele, C. M., Hanson, B., Chen, J., Dantas, R. O., Duivesteyn, J., Kayashita, J., Lecko, C., Murray, J., Pillay, M., Riquelme, L., & Stanschus, S. (2017). Development of International Terminology and Definitions for Texture-Modified Foods and Thickened Fluids Used in Dysphagia Management: The IDDSI Framework. *Dysphagia*, 32(2), 293–314. <https://doi.org/10.1007/s00455-016-9758-y>
- Cole, M. G., McCusker, J., Bellavance, F., Primeau, F. J., Bailey, R. F., Bonnycastle, M. J., & Laplante, J. (2002). Systematic detection and multidisciplinary care of delirium in older medical inpatients: a randomized trial. *CMAJ: Canadian Medical Association Journal = Journal de l'Association Medicale Canadienne*, 167(7), 753–759. <https://www.ncbi.nlm.nih.gov/pubmed/12389836>
- Corner, E. J., & Brett, S. J. (2014). Early identification of patients at risk of long-term critical illness-associated physical disability: is it possible? [Review of *Early identification of patients at risk of long-term critical illness-associated physical disability: is it possible?*]. *Critical Care / the Society of Critical Care Medicine*, 18(6), 629. <https://doi.org/10.1186/s13054-014-0629-3>
- Corner, E. J., Hichens, L. V., Attrill, K. M., Vizcaychipi, M. P., Brett, S. J., & Handy, J. M. (2015). The responsiveness of the Chelsea Critical Care Physical Assessment tool in measuring functional recovery in the burns critical care population: an observational study. *Burns: Journal of the International Society for Burn Injuries*, 41(2), 241–247. <https://doi.org/10.1016/j.burns.2014.12.002>
- Corner, E. J., Soni, N., Handy, J. M., & Brett, S. J. (2014). Construct validity of the Chelsea critical care physical assessment tool: an observational study of recovery from critical illness. *Critical Care / the Society of Critical Care Medicine*, 18(2), R55. <https://doi.org/10.1186/cc13801>
- Corner, E. J., Wood, H., Englebretsen, C., Thomas, A., Grant, R. L., Nikolettou, D., & Soni, N. (2013). The Chelsea critical care physical assessment tool (CPAx): validation of an innovative new tool to measure physical morbidity in the general adult critical care population; an observational proof-of-concept pilot study. *Physiotherapy*, 99(1), 33–41. <https://doi.org/10.1016/j.physio.2012.01.003>
- Costa, D. K., White, M. R., Ginier, E., Manojlovich, M., Govindan, S., Iwashyna, T. J., & Sales, A. E. (2017). Identifying Barriers to Delivering the Awakening and Breathing Coordination, Delirium, and Early Exercise/Mobility Bundle to Minimize Adverse Outcomes for Mechanically Ventilated Patients: A Systematic Review. *Chest*, 152(2), 304–311. <https://doi.org/10.1016/j.chest.2017.03.054>
- Cromie, J. E., Robertson, V. J., & Best, M. O. (2000). Work-related musculoskeletal disorders in physical therapists: prevalence, severity, risks, and responses. *Physical Therapy*, 80(4), 336–351. <https://doi.org/10.1093/ptj/80.4.336>
- Curtis, L. J., & Langmore, S. E. (1997). Respiratory function and complications related to deglutition. *Perkman AL, Schulze-DELR, Eu K. Deglutition and Its Disorders*, 99–123.
- Damluji, A., Zanni, J. M., Manthey, E., Colantuoni, E., Kho, M. E., & Needham, D. M. (2013). Safety and feasibility of femoral catheters during physical rehabilitation in the intensive care unit. *Journal of Critical Care*, 28(4), 535.e9–e15. <https://doi.org/10.1016/j.jccr.2013.01.006>
- Davydow, D. S., Gifford, J. M., Desai, S. V., Needham, D. M., & Bienvenu, O. J. (2008). Posttraumatic stress disorder in general intensive care unit survivors: a systematic review. *General Hospital Psychiatry*, 30(5), 421–434. <https://doi.org/10.1016/j.genhosppsych.2008.05.006>
- de Jonghe, A., Korevaar, J. C., van Munster, B. C., & de Rooij, S. E. (2010). Effectiveness of melatonin treatment on circadian rhythm disturbances in dementia. Are there implications for delirium? A systematic review. *International Journal of Geriatric Psychiatry*, 25(12), 1201–1208. <https://doi.org/10.1002/gps.2454>



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- De Jonghe, B., Sharshar, T., Lefaucheur, J.-P., Authier, F.-J., Durand-Zaleski, I., Boussarsar, M., Cerf, C., Renaud, E., Mesrati, F., Carlet, J., Raphaël, J.-C., Outin, H., Bastuji-Garin, S., & Groupe de Réflexion et d'Etude des Neuromyopathies en Réanimation. (2002). Paresis acquired in the intensive care unit: a prospective multicenter study. *JAMA: The Journal of the American Medical Association*, 288(22), 2859–2867. <https://doi.org/10.1001/jama.288.22.2859>
- de Morton, N. A., Brusco, N. K., Wood, L., Lawler, K., & Taylor, N. F. (2011). The de Morton Mobility Index (DEMMI) provides a valid method for measuring and monitoring the mobility of patients making the transition from hospital to the community: an observational study. *Journal of Physiotherapy*, 57(2), 109–116. [https://doi.org/10.1016/S1836-9553\(11\)70021-2](https://doi.org/10.1016/S1836-9553(11)70021-2)
- de Morton, N. A., Davidson, M., & Keating, J. L. (2008). The de Morton Mobility Index (DEMMI): an essential health index for an ageing world. *Health and Quality of Life Outcomes*, 6, 63. <https://doi.org/10.1186/1477-7525-6-63>
- de Morton, N. A., Davidson, M., & Keating, J. L. (2010). Validity, responsiveness and the minimal clinically important difference for the de Morton Mobility Index (DEMMI) in an older acute medical population. *BMC Geriatrics*, 10, 72. <https://doi.org/10.1186/1471-2318-10-72>
- de Morton, N. A., Davidson, M., & Keating, J. L. (2011). Reliability of the de Morton Mobility Index (DEMMI) in an older acute medical population. *Physiotherapy Research International: The Journal for Researchers and Clinicians in Physical Therapy*, 16(3), 159–169. <https://doi.org/10.1002/pri.493>
- de Morton, N. A., & Lane, K. (2010). Validity and reliability of the de Morton Mobility Index in the subacute hospital setting in a geriatric evaluation and management population. *Journal of Rehabilitation Medicine: Official Journal of the UEMS European Board of Physical and Rehabilitation Medicine*, 42(10), 956–961. <https://doi.org/10.2340/16501977-0626>
- de Morton, N. A., Meyer, C., Moore, K. J., Dow, B., Jones, C., & Hill, K. (2011). Validation of the de Morton Mobility Index (DEMMI) with older community care recipients. *Australasian Journal on Ageing*, 30(4), 220–225. <https://doi.org/10.1111/j.1741-6612.2010.00497.x>
- Deemer, K., Zjadewicz, K., Fiest, K., Oviatt, S., Parsons, M., Myhre, B., & Posadas-Calleja, J. (2020). Effect of early cognitive interventions on delirium in critically ill patients: a systematic review. *Canadian Journal of Anaesthesia = Journal Canadien D'anesthesie*, 67(8), 1016–1034. <https://doi.org/10.1007/s12630-020-01670-z>
- Denehy, L., de Morton, N. A., Skinner, E. H., Edbrooke, L., Haines, K., Warrillow, S., & Berney, S. (2013). A physical function test for use in the intensive care unit: validity, responsiveness, and predictive utility of the physical function ICU test (scored). *Physical Therapy*, 93(12), 1636–1645. <https://doi.org/10.2522/ptj.20120310>
- Devlin, J. W., Skrobik, Y., Gélinas, C., Needham, D. M., Slooter, A. J. C., Pandharipande, P. P., Watson, P. L., Weinhouse, G. L., Nunnally, M. E., Rochweg, B., Balas, M. C., van den Boogaard, M., Bosma, K. J., Brummel, N. E., Chanques, G., Denehy, L., Drouot, X., Fraser, G. L., Harris, J. E., ... Alhazzani, W. (2018a). Clinical Practice Guidelines for the Prevention and Management of Pain, Agitation/Sedation, Delirium, Immobility, and Sleep Disruption in Adult Patients in the ICU. *Critical Care Medicine*, 46(9), e825–e873. <https://doi.org/10.1097/CCM.0000000000003299>
- Devlin, J. W., Skrobik, Y., Gélinas, C., Needham, D. M., Slooter, A. J. C., Pandharipande, P. P., Watson, P. L., Weinhouse, G. L., Nunnally, M. E., Rochweg, B., Balas, M. C., van den Boogaard, M., Bosma, K. J., Brummel, N. E., Chanques, G., Denehy, L., Drouot, X., Fraser, G. L., Harris, J. E., ... Alhazzani, W. (2018b). Executive



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

Summary: Clinical Practice Guidelines for the Prevention and Management of Pain, Agitation/Sedation, Delirium, Immobility, and Sleep Disruption in Adult Patients in the ICU. *Critical Care Medicine*, 46(9), 1532–1548. <https://doi.org/10.1097/CCM.0000000000003259>

- Dinglas, V. D., Colantuoni, E., Ciesla, N., Mendez-Tellez, P. A., Shanholtz, C., & Needham, D. M. (2013). Occupational therapy for patients with acute lung injury: factors associated with time to first intervention in the intensive care unit. *The American Journal of Occupational Therapy: Official Publication of the American Occupational Therapy Association*, 67(3), 355–362. <https://doi.org/10.5014/ajot.2013.007807>
- Donovan, A. L., Aldrich, J. M., Gross, A. K., Barchas, D. M., Thornton, K. C., Schell-Chaple, H. M., Gropper, M. A., Lipshutz, A. K. M., & University of California, San Francisco Critical Care Innovations Group. (2018). Interprofessional Care and Teamwork in the ICU. *Critical Care Medicine*, 46(6), 980–990. <https://doi.org/10.1097/CCM.0000000000003067>
- Dowdy, D. W., Eid, M. P., Dennison, C. R., Mendez-Tellez, P. A., Herridge, M. S., Guallar, E., Pronovost, P. J., & Needham, D. M. (2006). Quality of life after acute respiratory distress syndrome: a meta-analysis. *Intensive Care Medicine*, 32(8), 1115–1124. <https://doi.org/10.1007/s00134-006-0217-3>
- Dubb, R., Nydahl, P., Hermes, C., Schwabbauer, N., Toonstra, A., Parker, A. M., Kaltwasser, A., & Needham, D. M. (2016). Barriers and Strategies for Early Mobilization of Patients in Intensive Care Units. *Annals of the American Thoracic Society*, 13(5), 724–730. <https://doi.org/10.1513/AnnalsATS.201509-586CME>
- ECMO-PT Study Investigators, & International ECMO Network. (2020). Early mobilisation during extracorporeal membrane oxygenation was safe and feasible: a pilot randomised controlled trial. *Intensive Care Medicine*, 46(5), 1057–1059. <https://doi.org/10.1007/s00134-020-05994-8>
- Ely, E. W., Gautam, S., Margolin, R., Francis, J., May, L., Speroff, T., Truman, B., Dittus, R., Bernard, R., & Inouye, S. K. (2001). The impact of delirium in the intensive care unit on hospital length of stay. *Intensive Care Medicine*, 27(12), 1892–1900. <https://doi.org/10.1007/s00134-001-1132-2>
- Ely, E. W., Inouye, S. K., Bernard, G. R., Gordon, S., Francis, J., May, L., Truman, B., Speroff, T., Gautam, S., Margolin, R., Hart, R. P., & Dittus, R. (2001). Delirium in mechanically ventilated patients: validity and reliability of the confusion assessment method for the intensive care unit (CAM-ICU). *JAMA: The Journal of the American Medical Association*, 286(21), 2703–2710. <https://doi.org/10.1001/jama.286.21.2703>
- Ely, E. W., Shintani, A., Truman, B., Speroff, T., Gordon, S. M., Harrell, F. E., Jr, Inouye, S. K., Bernard, G. R., & Dittus, R. S. (2004). Delirium as a predictor of mortality in mechanically ventilated patients in the intensive care unit. *JAMA: The Journal of the American Medical Association*, 291(14), 1753–1762. <https://doi.org/10.1001/jama.291.14.1753>
- Fan, E., Dowdy, D. W., Colantuoni, E., Mendez-Tellez, P. A., Sevransky, J. E., Shanholtz, C., Himmelfarb, C. R. D., Desai, S. V., Ciesla, N., Herridge, M. S., Pronovost, P. J., & Needham, D. M. (2014). Physical complications in acute lung injury survivors: a two-year longitudinal prospective study. *Critical Care Medicine*, 42(4), 849–859. <https://doi.org/10.1097/CCM.0000000000000040>
- Fan, E., Needham, D. M., Brunton, J., Kern, R. Z., & Stewart, T. E. (2004). West Nile virus infection in the intensive care unit: a case series and literature review. *Canadian Respiratory Journal: Journal of the Canadian Thoracic Society*, 11(5), 354–358. <https://doi.org/10.1155/2004/906150>
- Fan, E., Shahid, S., Kondreddi, V. P., Bienvenu, O. J., Mendez-Tellez, P. A., Pronovost, P. J., & Needham, D. M. (2008). Informed consent in the critically ill: a two-step approach incorporating delirium screening. *Critical Care Medicine*, 36(1), 94–99. <https://doi.org/10.1097/01.CCM.0000295308.29870.4F>



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- Fan, E., Zanni, J. M., Dennison, C. R., Lepre, S. J., & Needham, D. M. (2009). Critical illness neuromyopathy and muscle weakness in patients in the intensive care unit. *AACN Advanced Critical Care*, 20(3), 243–253. <https://doi.org/10.1097/NCI.0b013e3181ac2551>
- Ferrando, A. A., Lane, H. W., Stuart, C. A., Davis-Street, J., & Wolfe, R. R. (1996). Prolonged bed rest decreases skeletal muscle and whole body protein synthesis. *The American Journal of Physiology*, 270(4 Pt 1), E627–E633. <https://doi.org/10.1152/ajpendo.1996.270.4.E627>
- Ferreira, D. da C., Marcolino, M. A. Z., Macagnan, F. E., Plentz, R. D. M., & Kessler, A. (2019). Safety and potential benefits of physical therapy in adult patients on extracorporeal membrane oxygenation support: a systematic review. *Revista Brasileira de terapia intensiva*, 31(2), 227–239. <https://doi.org/10.5935/0103-507X.20190017>
- Fields, C., Trotsky, A., Fernandez, N., & Smith, B. A. (2015). Mobility and Ambulation for Patients with Pulmonary Artery Catheters: A Retrospective Descriptive Study. *Journal of Acute Care Physical Therapy*, 6(2), 64–70. <https://doi.org/10.1097/JAT.0000000000000012>
- Fink, H., Helming, M., Unterbuchner, C., Lenz, A., Neff, F., Martyn, J. A. J., & Blobner, M. (2008). Systemic inflammatory response syndrome increases immobility-induced neuromuscular weakness. *Critical Care Medicine*, 36(3), 910–916. <https://doi.org/10.1097/CCM.0B013E3181659669>
- Fletcher, S. N., Kennedy, D. D., Ghosh, I. R., Misra, V. P., Kiff, K., Coakley, J. H., & Hinds, C. J. (2003). Persistent neuromuscular and neurophysiologic abnormalities in long-term survivors of prolonged critical illness. *Critical Care Medicine*, 31(4), 1012–1016. <https://doi.org/10.1097/01.CCM.0000053651.38421.D9>
- Fuke, R., Hifumi, T., Kondo, Y., Hatakeyama, J., Takei, T., Yamakawa, K., Inoue, S., & Nishida, O. (2018). Early rehabilitation to prevent postintensive care syndrome in patients with critical illness: a systematic review and meta-analysis. *BMJ Open*, 8(5), e019998. <https://doi.org/10.1136/bmjopen-2017-019998>
- Garry, J., Casey, K., Cole, T. K., Regensburg, A., McElroy, C., Schneider, E., Efron, D., & Chi, A. (2016). A pilot study of eye-tracking devices in intensive care. *Surgery*, 159(3), 938–944. <https://doi.org/10.1016/j.surg.2015.08.012>
- Girard, T. D., Thompson, J. L., Pandharipande, P. P., Brummel, N. E., Jackson, J. C., Patel, M. B., Hughes, C. G., Chandrasekhar, R., Pun, B. T., Boehm, L. M., Elstad, M. R., Goodman, R. B., Bernard, G. R., Dittus, R. S., & Ely, E. W. (2018). Clinical phenotypes of delirium during critical illness and severity of subsequent long-term cognitive impairment: a prospective cohort study. *The Lancet. Respiratory Medicine*, 6(3), 213–222. [https://doi.org/10.1016/S2213-2600\(18\)30062-6](https://doi.org/10.1016/S2213-2600(18)30062-6)
- González-Seguel, F., Camus-Molina, A., Cárcamo, M., Hiser, S., Needham, D. M., & Leppe, J. (2020). Inter-observer reliability of trained physiotherapists on the Functional Status Score for the Intensive Care Unit Chilean-Spanish version. *Physiotherapy Theory and Practice*, 1–7. <https://doi.org/10.1080/09593985.2020.1753272>
- González-Seguel, F., Camus-Molina, A., Leppe, J., Hidalgo-Cabalín, V., Gutiérrez-Panchana, T., Needham, D. M., & Guimarães, F. S. (2019). Chilean version of the Functional Status Score for the Intensive Care Unit: a translation and cross-cultural adaptation. *Medwave*, 19(1), e7470. <https://doi.org/10.5867/medwave.2019.01.7439>
- Gosset, A. T., Sklar, M. C., Delman, A. M., & Detsky, M. E. (2018). Patients' primary activities prior to critical illness: how well do clinicians know them and how likely are patients to return to them? *Critical Care / the Society of Critical Care Medicine*, 22(1), 340. <https://doi.org/10.1186/s13054-018-2283-7>



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- Gross, R. D., Atwood, C. W., Jr, Ross, S. B., Olszewski, J. W., & Eichhorn, K. A. (2009). The coordination of breathing and swallowing in chronic obstructive pulmonary disease. *American Journal of Respiratory and Critical Care Medicine*, 179(7), 559–565. <https://doi.org/10.1164/rccm.200807-1139OC>
- Hager, D. N., Dinglas, V. D., Subhas, S., Rowden, A. M., Neufeld, K. J., Bienvenu, O. J., Touradji, P., Colantuoni, E., Reddy, D. R. S., Brower, R. G., & Needham, D. M. (2013). Reducing deep sedation and delirium in acute lung injury patients: a quality improvement project. *Critical Care Medicine*, 41(6), 1435–1442. <https://doi.org/10.1097/CCM.0b013e31827ca949>
- Hamburg, N. M., McMackin, C. J., Huang, A. L., Shenouda, S. M., Widlansky, M. E., Schulz, E., Gokce, N., Ruderman, N. B., Keaney, J. F., Jr, & Vita, J. A. (2007). Physical inactivity rapidly induces insulin resistance and microvascular dysfunction in healthy volunteers. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 27(12), 2650–2656. <https://doi.org/10.1161/ATVBAHA.107.153288>
- Harding, S. M. (2002). Oropharyngeal dysfunction in COPD patients: the need for clinical research [Review of *Oropharyngeal dysfunction in COPD patients: the need for clinical research*]. *Chest*, 121(2), 315–317. <https://doi.org/10.1378/chest.121.2.315>
- Hashem, M. D., Nelliott, A., & Needham, D. M. (2016). Early Mobilization and Rehabilitation in the ICU: Moving Back to the Future. *Respiratory Care*, 61(7), 971–979. <https://doi.org/10.4187/respcare.04741>
- Hemsley, B., Sigafos, J., Balandin, S., Forbes, R., Taylor, C., Green, V. A., & Parmenter, T. (2001). Nursing the patient with severe communication impairment. *Journal of Advanced Nursing*, 35(6), 827–835. <https://doi.org/10.1046/j.1365-2648.2001.01920.x>
- Hendriks, M. M. C., & Buise, M. P. (2019). Interactive video games for rehabilitation in the intensive care unit: A pilot study. *Journal of Critical Care*, 51, 24–25. <https://doi.org/10.1016/j.jcrc.2019.01.022>
- Herling, S. F., Greve, I. E., Vasilevskis, E. E., Egerod, I., Bekker Mortensen, C., Møller, A. M., Svenningsen, H., & Thomsen, T. (2018). Interventions for preventing intensive care unit delirium in adults. *Cochrane Database of Systematic Reviews*, 11, CD009783. <https://doi.org/10.1002/14651858.CD009783.pub2>
- Hermans, G., Wilmer, A., Meersseman, W., Milants, I., Wouters, P. J., Bobbaers, H., Bruyninckx, F., & Van den Berghe, G. (2007). Impact of intensive insulin therapy on neuromuscular complications and ventilator dependency in the medical intensive care unit. *American Journal of Respiratory and Critical Care Medicine*, 175(5), 480–489. <https://doi.org/10.1164/rccm.200605-665OC>
- Herridge, M. S., Cheung, A. M., Tansey, C. M., Matte-Martyn, A., Diaz-Granados, N., Al-Saidi, F., Cooper, A. B., Guest, C. B., Mazer, C. D., Mehta, S., Stewart, T. E., Barr, A., Cook, D., Slutsky, A. S., & Canadian Critical Care Trials Group. (2003). One-year outcomes in survivors of the acute respiratory distress syndrome. *The New England Journal of Medicine*, 348(8), 683–693. <https://doi.org/10.1056/NEJMoa022450>
- Herridge, M. S., Tansey, C. M., Matté, A., Tomlinson, G., Diaz-Granados, N., Cooper, A., Guest, C. B., Mazer, C. D., Mehta, S., Stewart, T. E., Kudlow, P., Cook, D., Slutsky, A. S., Cheung, A. M., & Canadian Critical Care Trials Group. (2011). Functional disability 5 years after acute respiratory distress syndrome. *The New England Journal of Medicine*, 364(14), 1293–1304. <https://doi.org/10.1056/NEJMoa1011802>
- Hiser, S., Toonstra, A., Friedman, L. A., Colantuoni, E., Connolly, B., & Needham, D. M. (2018). Interrater Reliability of the Functional Status Score for the Intensive Care Unit. *Journal of Acute Care Physical Therapy*, 9(4), 186. <https://doi.org/10.1097/JAT.0000000000000086>
- Hodgson, C. L., Stiller, K., Needham, D. M., Tipping, C. J., Harrold, M., Baldwin, C. E., Bradley, S., Berney, S., Caruana, L. R., Elliott, D., Green, M., Haines, K., Higgins, A. M., Kaukonen, K.-M., Leditschke, I. A., Nickels, M.



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- R., Paratz, J., Patman, S., Skinner, E. H., ... Webb, S. A. (2014). Expert consensus and recommendations on safety criteria for active mobilization of mechanically ventilated critically ill adults. *Critical Care / the Society of Critical Care Medicine*, 18(6), 658. <https://doi.org/10.1186/s13054-014-0658-y>
- Holm, M. B. (2000). The 2000 Eleanor Clarke Slagle Lecture. Our mandate for the new millennium: evidence-based practice. *The American Journal of Occupational Therapy: Official Publication of the American Occupational Therapy Association*, 54(6), 575–585. <https://doi.org/10.5014/ajot.54.6.575>
- Honiden, S., & Connors, G. R. (2015). Barriers and Challenges to the Successful Implementation of an Intensive Care Unit Mobility Program: Understanding Systems and Human Factors in Search for Practical Solutions. *Clinics in Chest Medicine*, 36(3), 431–440. <https://doi.org/10.1016/j.ccm.2015.05.006>
- Hopkins, R. O., Miller, R. R., 3rd, Rodriguez, L., Spuhler, V., & Thomsen, G. E. (2012). Physical therapy on the wards after early physical activity and mobility in the intensive care unit. *Physical Therapy*, 92(12), 1518–1523. <https://doi.org/10.2522/ptj.20110446>
- Hopkins, R. O., Mitchell, L., Thomsen, G. E., Schafer, M., Link, M., & Brown, S. M. (2016). Implementing a Mobility Program to Minimize Post-Intensive Care Syndrome. *AACN Advanced Critical Care*, 27(2), 187–203. <https://doi.org/10.4037/aacnacc2016244>
- Hopkins, R. O., & Spuhler, V. J. (2009). Strategies for promoting early activity in critically ill mechanically ventilated patients. *AACN Advanced Critical Care*, 20(3), 277–289. <https://doi.org/10.1097/NCI.0b013e3181acaef0>
- Hopkins, R. O., Spuhler, V. J., & Thomsen, G. E. (2007). Transforming ICU culture to facilitate early mobility. *Critical Care Clinics*, 23(1), 81–96. <https://doi.org/10.1016/j.ccc.2006.11.004>
- Hopkins, R. O., Suchyta, M. R., Kamdar, B. B., Darowski, E., Jackson, J. C., & Needham, D. M. (2017). Instrumental Activities of Daily Living after Critical Illness: A Systematic Review. *Annals of the American Thoracic Society*, 14(8), 1332–1343. <https://doi.org/10.1513/AnnalsATS.201701-059SR>
- Hough, C. L. (2006). Neuromuscular sequelae in survivors of acute lung injury. *Clinics in Chest Medicine*, 27(4), 691–703; abstract x. <https://doi.org/10.1016/j.ccm.2006.07.002>
- Hough, C. L., & Needham, D. M. (2007). The role of future longitudinal studies in ICU survivors: understanding determinants and pathophysiology of weakness and neuromuscular dysfunction. *Current Opinion in Critical Care*, 13(5), 489–496. <https://doi.org/10.1097/MCC.0b013e3282efea3a>
- Huang, M., Parker, A. M., Bienvenu, O. J., Dinglas, V. D., Colantuoni, E., Hopkins, R. O., Needham, D. M., & National Institutes of Health, National Heart, Lung, and Blood Institute Acute Respiratory Distress Syndrome Network. (2016). Psychiatric Symptoms in Acute Respiratory Distress Syndrome Survivors: A 1-Year National Multicenter Study. *Critical Care Medicine*, 44(5), 954–965. <https://doi.org/10.1097/CCM.0000000000001621>
- Jackson, J. C., Gordon, S. M., Hart, R. P., Hopkins, R. O., & Ely, E. W. (2004). The association between delirium and cognitive decline: a review of the empirical literature. *Neuropsychology Review*, 14(2), 87–98. <https://doi.org/10.1023/b:nerv.0000028080.39602.17>
- Jette, D. U., Stilphen, M., Ranganathan, V. K., Passek, S. D., Frost, F. S., & Jette, A. M. (2014a). Validity of the AM-PAC “6-Clicks” inpatient daily activity and basic mobility short forms. *Physical Therapy*, 94(3), 379–391. <https://doi.org/10.2522/ptj.20130199>





# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- Jette, D. U., Stilphen, M., Ranganathan, V. K., Passek, S. D., Frost, F. S., & Jette, A. M. (2014b). AM-PAC “6-Clicks” functional assessment scores predict acute care hospital discharge destination. *Physical Therapy*, 94(9), 1252–1261. <https://doi.org/10.2522/ptj.20130359>
- Johnson, K., Petti, J., Olson, A., & Custer, T. (2017). Identifying barriers to early mobilisation among mechanically ventilated patients in a trauma intensive care unit. *Intensive & Critical Care Nursing: The Official Journal of the British Association of Critical Care Nurses*, 42, 51–54. <https://doi.org/10.1016/j.iccn.2017.06.005>
- Jolley, S. E., & Hough, C. L. (2017). The authors reply [Review of *The authors reply*]. *Critical Care Medicine*, 45(3), e330–e331. <https://doi.org/10.1097/CCM.0000000000002223>
- Jolley, S. E., Moss, M., Needham, D. M., Caldwell, E., Morris, P. E., Miller, R. R., Ringwood, N., Anders, M., Koo, K. K., Gundel, S. E., Parry, S. M., Hough, C. L., & Acute Respiratory Distress Syndrome Network Investigators. (2017). Point Prevalence Study of Mobilization Practices for Acute Respiratory Failure Patients in the United States. *Critical Care Medicine*, 45(2), 205–215. <https://doi.org/10.1097/CCM.0000000000002058>
- Kamdar, B. B., King, L. M., Collop, N. A., Sakamuri, S., Colantuoni, E., Neufeld, K. J., Bienvenu, O. J., Rowden, A. M., Touradji, P., Brower, R. G., & Needham, D. M. (2013). The effect of a quality improvement intervention on perceived sleep quality and cognition in a medical ICU. *Critical Care Medicine*, 41(3), 800–809. <https://doi.org/10.1097/CCM.0b013e3182746442>
- Kang, J., Lee, M., Ko, H., Kim, S., Yun, S., Jeong, Y., & Cho, Y. (2018). Effect of nonpharmacological interventions for the prevention of delirium in the intensive care unit: A systematic review and meta-analysis. *Journal of Critical Care*, 48, 372–384. <https://doi.org/10.1016/j.jcrr.2018.09.032>
- Kawaguchi, Y. M. F., Nawa, R. K., Figueiredo, T. B., Martins, L., & Pires-Neto, R. C. (2016). Perme Intensive Care Unit Mobility Score and ICU Mobility Scale: translation into Portuguese and cross-cultural adaptation for use in Brazil. *Jornal Brasileiro de Pneumologia: Publicacao Oficial Da Sociedade Brasileira de Pneumologia E Tisiologia*, 42(6), 429–434. <https://doi.org/10.1590/S1806-37562015000000301>
- Kimawi, I., Lamberjack, B., Nelliott, A., Toonstra, A. L., Zanni, J., Huang, M., Manthey, E., Kho, M. E., & Needham, D. M. (2017). Safety and Feasibility of a Protocolized Approach to In-Bed Cycling Exercise in the Intensive Care Unit: Quality Improvement Project. *Physical Therapy*, 97(6), 593–602. <https://doi.org/10.1093/ptj/pzx034>
- Koester, K., Troeller, H., Panter, S., Winter, E., & Patel, J. J. (2018). Overview of Intensive Care Unit-Related Physical and Functional Impairments and Rehabilitation-Related Devices. *Nutrition in Clinical Practice: Official Publication of the American Society for Parenteral and Enteral Nutrition*, 33(2), 177–184. <https://doi.org/10.1002/ncp.10077>
- Kolata, G. (2009, January 12). A Tactic to Cut I.C.U. Trauma: Get Patients Up. *The New York Times*. <https://www.nytimes.com/2009/01/12/health/12icu.html>
- Korupolu, R., Gifford, J., & Needham, D. (2009). Early mobilization of critically ill patients: reducing neuromuscular complications after intensive care. *Contemporary Critical Care*, 6(9), 1–11.
- Kotfis, K., Williams Roberson, S., Wilson, J., Pun, B., Ely, E. W., Jeżowska, I., Jezierska, M., & Dabrowski, W. (2020). COVID-19: What do we need to know about ICU delirium during the SARS-CoV-2 pandemic? *Anaesthesiology Intensive Therapy*, 52(2), 132–138. <https://doi.org/10.5114/ait.2020.95164>
- Larsen, L. K., Frøkjær, V. G., Nielsen, J. S., Skrobik, Y., Winkler, Y., Møller, K., Petersen, M., & Egerod, I. (2019). Delirium assessment in neuro-critically ill patients: A validation study. *Acta Anaesthesiologica Scandinavica*, 63(3), 352–359. <https://doi.org/10.1111/aas.13270>



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- Leijten, F. S., De Weerd, A. W., Poortvliet, D. C., De Ridder, V. A., Ulrich, C., & Harink-De Weerd, J. E. (1996). Critical illness polyneuropathy in multiple organ dysfunction syndrome and weaning from the ventilator. *Intensive Care Medicine*, 22(9), 856–861. <https://doi.org/10.1007/BF02044107>
- Lin, F., Phelan, S., Chaboyer, W., & Mitchell, M. (2020). Early mobilisation of ventilated patients in the intensive care unit: A survey of critical care clinicians in an Australian tertiary hospital. *Australian Critical Care: Official Journal of the Confederation of Australian Critical Care Nurses*, 33(2), 130–136. <https://doi.org/10.1016/j.aucc.2019.02.002>
- Lin, S.-M., Liu, C.-Y., Wang, C.-H., Lin, H.-C., Huang, C.-D., Huang, P.-Y., Fang, Y.-F., Shieh, M.-H., & Kuo, H.-P. (2004). The impact of delirium on the survival of mechanically ventilated patients. *Critical Care Medicine*, 32(11), 2254–2259. <https://doi.org/10.1097/01.ccm.0000145587.16421.bb>
- Macht, M., Wimbish, T., Clark, B. J., Benson, A. B., Burnham, E. L., Williams, A., & Moss, M. (2011). Postextubation dysphagia is persistent and associated with poor outcomes in survivors of critical illness. *Critical Care / the Society of Critical Care Medicine*, 15(5), R231. <https://doi.org/10.1186/cc10472>
- Manzano, J. L., Lubillo, S., Henríquez, D., Martín, J. C., Pérez, M. C., & Wilson, D. J. (1993). Verbal communication of ventilator-dependent patients. *Critical Care Medicine*, 21(4), 512–517. <https://doi.org/10.1097/00003246-199304000-00009>
- Maramattom, B. V., & Wijdicks, E. F. M. (2006). Acute neuromuscular weakness in the intensive care unit. *Critical Care Medicine*, 34(11), 2835–2841. <https://doi.org/10.1097/01.CCM.0000239436.63452.81>
- Mattioli, E., Tabuzo, B., Jr, Sangkachand, P., Parkosewich, J., Reyes, L., & Funk, M. (2019). Safety and Patients' Response to Ambulation With a Pulmonary Artery Catheter in the Cardiac Intensive Care Unit. *American Journal of Critical Care: An Official Publication, American Association of Critical-Care Nurses*, 28(2), 101–108. <https://doi.org/10.4037/ajcc2019339>
- Mayer, K. P., Joseph-Isang, E., Robinson, L. E., Parry, S. M., Morris, P. E., & Neyra, J. A. (2020). Safety and Feasibility of Physical Rehabilitation and Active Mobilization in Patients Requiring Continuous Renal Replacement Therapy: A Systematic Review. *Critical Care Medicine*, 48(11), e1112–e1120. <https://doi.org/10.1097/CCM.0000000000004526>
- McKinstry, A., Tranter, M., & Sweeney, J. (2010). Outcomes of dysphagia intervention in a pulmonary rehabilitation program. *Dysphagia*, 25(2), 104–111. <https://doi.org/10.1007/s00455-009-9230-3>
- McNicoll, L., Pisani, M. A., Zhang, Y., Ely, E. W., Siegel, M. D., & Inouye, S. K. (2003). Delirium in the intensive care unit: occurrence and clinical course in older patients. *Journal of the American Geriatrics Society*, 51(5), 591–598. <https://doi.org/10.1034/j.1600-0579.2003.00201.x>
- Milbrandt, E. B., Deppen, S., Harrison, P. L., Shintani, A. K., Speroff, T., Stiles, R. A., Truman, B., Bernard, G. R., Dittus, R. S., & Ely, E. W. (2004). Costs associated with delirium in mechanically ventilated patients. *Critical Care Medicine*, 32(4), 955–962. <https://doi.org/10.1097/01.ccm.0000119429.16055.92>
- Mitchell, M. L., Shum, D. H. K., Mihala, G., Murfield, J. E., & Aitken, L. M. (2018). Long-term cognitive impairment and delirium in intensive care: A prospective cohort study. *Australian Critical Care: Official Journal of the Confederation of Australian Critical Care Nurses*, 31(4), 204–211. <https://doi.org/10.1016/j.aucc.2017.07.002>
- Morris, L. L., Bedon, A. M., McIntosh, E., & Whitmer, A. (2015). Restoring Speech to Tracheostomy Patients. *Critical Care Nurse*, 35(6), 13–27; quiz 28. <https://doi.org/10.4037/ccn2015401>



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- Morris, P. E., Berry, M. J., Files, D. C., Thompson, J. C., Hauser, J., Flores, L., Dhar, S., Chmelo, E., Lovato, J., Case, L. D., Bakhru, R. N., Sarwal, A., Parry, S. M., Campbell, P., Mote, A., Winkelman, C., Hite, R. D., Nicklas, B., Chatterjee, A., & Young, M. P. (2016). Standardized Rehabilitation and Hospital Length of Stay Among Patients With Acute Respiratory Failure: A Randomized Clinical Trial. *JAMA: The Journal of the American Medical Association*, 315(24), 2694–2702. <https://doi.org/10.1001/jama.2016.7201>
- Morris, P. E., Goad, A., Thompson, C., Taylor, K., Harry, B., Passmore, L., Ross, A., Anderson, L., Baker, S., Sanchez, M., Penley, L., Howard, A., Dixon, L., Leach, S., Small, R., Hite, R. D., & Haponik, E. (2008). Early intensive care unit mobility therapy in the treatment of acute respiratory failure. *Critical Care Medicine*, 36(8), 2238–2243. <https://doi.org/10.1097/CCM.0b013e318180b90e>
- Moss, M., Nordon-Craft, A., Malone, D., Van Pelt, D., Frankel, S. K., Warner, M. L., Kriekels, W., McNulty, M., Fairclough, D. L., & Schenkman, M. (2016). A Randomized Trial of an Intensive Physical Therapy Program for Patients with Acute Respiratory Failure. *American Journal of Respiratory and Critical Care Medicine*, 193(10), 1101–1110. <https://doi.org/10.1164/rccm.201505-1039OC>
- Needham, D. M. (2008). Mobilizing patients in the intensive care unit: improving neuromuscular weakness and physical function. *JAMA: The Journal of the American Medical Association*, 300(14), 1685–1690. <https://doi.org/10.1001/jama.300.14.1685>
- Needham, D. M., Dennison, C. R., Dowdy, D. W., Mendez-Tellez, P. A., Ciesla, N., Desai, S. V., Sevransky, J., Shanholtz, C., Scharfstein, D., Herridge, M. S., & Pronovost, P. J. (2006). Study protocol: The Improving Care of Acute Lung Injury Patients (ICAP) study. *Critical Care / the Society of Critical Care Medicine*, 10(1), R9. <https://doi.org/10.1186/cc3948>
- Needham, D. M., & Korupolu, R. (2010). Rehabilitation quality improvement in an intensive care unit setting: implementation of a quality improvement model. *Topics in Stroke Rehabilitation*, 17(4), 271–281. <https://doi.org/10.1310/tsr1704-271>
- Needham, D. M., Korupolu, R., Zanni, J. M., Pradhan, P., Colantuoni, E., Palmer, J. B., Brower, R. G., & Fan, E. (2010). Early physical medicine and rehabilitation for patients with acute respiratory failure: a quality improvement project. *Archives of Physical Medicine and Rehabilitation*, 91(4), 536–542. <https://doi.org/10.1016/j.apmr.2010.01.002>
- Noble, N. L., & Sweeney, N. L. (2018). Barriers to the Use of Assistive Devices in Patient Handling. *Workplace Health & Safety*, 66(1), 41–48. <https://doi.org/10.1177/2165079917697216>
- Nydahl, P., Ruhl, A. P., Bartoszek, G., Dubb, R., Filipovic, S., Flohr, H.-J., Kaltwasser, A., Mende, H., Rothaug, O., Schuchhardt, D., Schwabbauer, N., & Needham, D. M. (2014). Early mobilization of mechanically ventilated patients: a 1-day point-prevalence study in Germany. *Critical Care Medicine*, 42(5), 1178–1186. <https://doi.org/10.1097/CCM.000000000000149>
- Nydahl, P., Sricharoenchai, T., Chandra, S., Kundt, F. S., Huang, M., Fischill, M., & Needham, D. M. (2017). Safety of Patient Mobilization and Rehabilitation in the Intensive Care Unit. Systematic Review with Meta-Analysis. *Annals of the American Thoracic Society*, 14(5), 766–777. <https://doi.org/10.1513/AnnalsATS.201611-843SR>
- Nydahl, P., Wilkens, S., Glase, S., Mohr, L. M., Richter, P., Klarmann, S., Perme, C. S., & Nawa, R. K. (2018). The German translation of the Perme Intensive Care Unit Mobility Score and inter-rater reliability between physiotherapists and nurses. *European Journal of Physiotherapy*, 20(2), 109–115. <https://doi.org/10.1080/21679169.2017.1401660>



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- Olkowski, B. F., & Stolfi, A. M. (2014). Safe patient handling perceptions and practices: a survey of acute care physical therapists. *Physical Therapy, 94*(5), 682–695. <https://doi.org/10.2522/ptj.20120539>
- Ouimet, S., Riker, R., Bergeron, N., Cossette, M., Kavanagh, B., & Skrobik, Y. (2007). Subsyndromal delirium in the ICU: evidence for a disease spectrum. *Intensive Care Medicine, 33*(6), 1007–1013. <https://doi.org/10.1007/s00134-007-0618-y>
- Overgaard, C. B., & Dzavík, V. (2008). Inotropes and vasopressors: review of physiology and clinical use in cardiovascular disease. *Circulation, 118*(10), 1047–1056. <https://doi.org/10.1161/CIRCULATIONAHA.107.728840>
- Ozcan Kahraman, B., Ozsoy, I., Kahraman, T., Tanriverdi, A., Acar, S., Ozpelit, E., Akdeniz, B., Hiser, S., Guimaraes, F. S., Needham, D. M., & Savci, S. (2020). Turkish translation, cross-cultural adaptation, and assessment of psychometric properties of the Functional Status Score for the Intensive Care Unit. *Disability and Rehabilitation, 42*(21), 3092–3097. <https://doi.org/10.1080/09638288.2019.1602852>
- Pandharipande, P. P., Girard, T. D., Jackson, J. C., Morandi, A., Thompson, J. L., Pun, B. T., Brummel, N. E., Hughes, C. G., Vasilevskis, E. E., Shintani, A. K., Moons, K. G., Geevarghese, S. K., Canonico, A., Hopkins, R. O., Bernard, G. R., Dittus, R. S., Ely, E. W., & BRAIN-ICU Study Investigators. (2013). Long-term cognitive impairment after critical illness. *The New England Journal of Medicine, 369*(14), 1306–1316. <https://doi.org/10.1056/NEJMoa1301372>
- Parry, S. M., Huang, M., & Needham, D. M. (2017). Evaluating physical functioning in critical care: considerations for clinical practice and research. *Critical Care / the Society of Critical Care Medicine, 21*(1), 249. <https://doi.org/10.1186/s13054-017-1827-6>
- Parry, S. M., Knight, L. D., Connolly, B., Baldwin, C., Puthuchery, Z., Morris, P., Mortimore, J., Hart, N., Denehy, L., & Granger, C. L. (2017). Factors influencing physical activity and rehabilitation in survivors of critical illness: a systematic review of quantitative and qualitative studies. *Intensive Care Medicine, 43*(4), 531–542. <https://doi.org/10.1007/s00134-017-4685-4>
- Pasrija, C., Mackowick, K. M., Raithel, M., Tran, D., Boulos, F. M., Deatrck, K. B., Mazzeffi, M. A., Rector, R., Pham, S. M., Griffith, B. P., Herr, D. L., & Kon, Z. N. (2019). Ambulation With Femoral Arterial Cannulation Can Be Safely Performed on Venoarterial Extracorporeal Membrane Oxygenation. *The Annals of Thoracic Surgery, 107*(5), 1389–1394. <https://doi.org/10.1016/j.athoracsur.2018.10.048>
- Pasrija, C., Sawan, M. A., Sorensen, E., Voorhees, H., Shah, A., Strauss, E., Ton, V.-K., DiChiacchio, L., Kaczorowski, D. J., Griffith, B. P., Pham, S. M., & Kon, Z. N. (2019). Less invasive left ventricular assist device implantation may reduce right ventricular failure. *Interactive Cardiovascular and Thoracic Surgery, 29*(4), 592–598. <https://doi.org/10.1093/icvts/ivz143>
- Patel, M. B., Bednarik, J., Lee, P., Shehabi, Y., Salluh, J. I., Slooter, A. J., Klein, K. E., Skrobik, Y., Morandi, A., Spronk, P. E., Naidech, A. M., Pun, B. T., Bozza, F. A., Marra, A., John, S., Pandharipande, P. P., & Ely, E. W. (2018). Delirium Monitoring in Neurocritically Ill Patients: A Systematic Review. *Critical Care Medicine, 46*(11), 1832–1841. <https://doi.org/10.1097/CCM.0000000000003349>
- Perme, C., & Chandrashekar, R. (2009). Early mobility and walking program for patients in intensive care units: creating a standard of care. *American Journal of Critical Care: An Official Publication, American Association of Critical-Care Nurses, 18*(3), 212–221. <https://doi.org/10.4037/ajcc2009598>
- Perme, C., Lettvin, C., Throckmorton, T. A., Mitchell, K., & Masud, F. (2011). Early Mobility and Walking for Patients with Femoral Arterial Catheters in Intensive Care Unit: a Case Series. *Journal of Acute Care Physical*



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

*Therapy*, 2(1), 30.

[https://journals.lww.com/jacpt/Fulltext/2011/02010/Early\\_Mobility\\_and\\_Walking\\_for\\_Patients\\_with.4.asp](https://journals.lww.com/jacpt/Fulltext/2011/02010/Early_Mobility_and_Walking_for_Patients_with.4.asp)  
X

- Perme, C., Nalty, T., Winkelman, C., Kenji Nawa, R., & Masud, F. (2013). Safety and Efficacy of Mobility Interventions in Patients with Femoral Catheters in the ICU: A Prospective Observational Study. *Cardiopulmonary Physical Therapy Journal*, 24(2), 12–17. <https://www.ncbi.nlm.nih.gov/pubmed/23801900>
- Perme, C., Nawa, R. K., Winkelman, C., & Masud, F. (2014). A tool to assess mobility status in critically ill patients: the Perme Intensive Care Unit Mobility Score. *Methodist DeBakey Cardiovascular Journal*, 10(1), 41–49. <https://doi.org/10.14797/mdcj-10-1-41>
- Peterson, J. F., Pun, B. T., Dittus, R. S., Thomason, J. W. W., Jackson, J. C., Shintani, A. K., & Ely, E. W. (2006). Delirium and its motoric subtypes: a study of 614 critically ill patients. *Journal of the American Geriatrics Society*, 54(3), 479–484. <https://doi.org/10.1111/j.1532-5415.2005.00621.x>
- Peterson, M. L., Lukens, K., & Fulk, G. (2018). Psychometric Properties of Physical Function Measures Used in the Intensive Care Unit: A Systematic Review. *Journal of Acute Care Physical Therapy*, 9(2), 78. <https://doi.org/10.1097/JAT.0000000000000073>
- Rains, J., & Chee, N. (2017). The role of occupational and physiotherapy in multi-modal approach to tackling delirium in the intensive care. *Pediatric Critical Care Medicine: A Journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*, 18(4), 318–322. <https://doi.org/10.1177/1751143717720589>
- Reid, J. C., Clarke, F., Cook, D. J., Molloy, A., Rudkowski, J. C., Stratford, P., & Kho, M. E. (2020). Feasibility, Reliability, Responsiveness, and Validity of the Patient-Reported Functional Scale for the Intensive Care Unit: A Pilot Study. *Journal of Intensive Care Medicine*, 35(12), 1396–1404. <https://doi.org/10.1177/0885066618824534>
- Rice, K. L., Bennett, M. J., Berger, L., Jennings, B., Eckhardt, L., Fabré-LaCoste, N., Houghton, D., Vidal, G., Gropen, T., Diggs, E., Barry, E., St John, J., Mathew, S., Egger, A., Ryan, S., Egger, R., Galarneau, D., Gaines, K., & Ely, E. W. (2017). A Pilot Randomized Controlled Trial of the Feasibility of a Multicomponent Delirium Prevention Intervention Versus Usual Care in Acute Stroke. *The Journal of Cardiovascular Nursing*, 32(1), E1–E10. <https://doi.org/10.1097/JCN.0000000000000356>
- Rogers, A. T., Bai, G., Lavin, R. A., & Anderson, G. F. (2017). Higher Hospital Spending on Occupational Therapy Is Associated With Lower Readmission Rates. *Medical Care Research and Review: MCRR*, 74(6), 668–686. <https://doi.org/10.1177/1077558716666981>
- Schaller, S. J., Anstey, M., Blobner, M., Edrich, T., Grabitz, S. D., Gradwohl-Matis, I., Heim, M., Houle, T., Kurth, T., Latronico, N., Lee, J., Meyer, M. J., Peponis, T., Talmor, D., Velmahos, G. C., Waak, K., Walz, J. M., Zafonte, R., Eikermann, M., & International Early SOMS-guided Mobilization Research Initiative. (2016). Early, goal-directed mobilisation in the surgical intensive care unit: a randomised controlled trial. *The Lancet*, 388(10052), 1377–1388. [https://doi.org/10.1016/S0140-6736\(16\)31637-3](https://doi.org/10.1016/S0140-6736(16)31637-3)
- Schweickert, W. D., & Hall, J. (2007). ICU-acquired weakness. *Chest*, 131(5), 1541–1549. <https://doi.org/10.1378/chest.06-2065>
- Schweickert, W. D., Pohlman, M. C., Pohlman, A. S., Nigos, C., Pawlik, A. J., Esbrook, C. L., Spears, L., Miller, M., Franczyk, M., Deprizio, D., Schmidt, G. A., Bowman, A., Barr, R., McCallister, K. E., Hall, J. B., & Kress, J. P. (2009). Early physical and occupational therapy in mechanically ventilated, critically ill patients: a



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

randomised controlled trial. *The Lancet*, 373(9678), 1874–1882. [https://doi.org/10.1016/S0140-6736\(09\)60658-9](https://doi.org/10.1016/S0140-6736(09)60658-9)

- Shah, S. O., Kraft, J., Ankam, N., Bu, P., Stout, K., Melnyk, S., Rincon, F., & Athar, M. K. (2018). Early Ambulation in Patients With External Ventricular Drains: Results of a Quality Improvement Project. *Journal of Intensive Care Medicine*, 33(6), 370–374. <https://doi.org/10.1177/0885066616677507>
- Shaker, R., Li, Q., Ren, J., Townsend, W. F., Dodds, W. J., Martin, B. J., Kern, M. K., & Rynders, A. (1992). Coordination of deglutition and phases of respiration: effect of aging, tachypnea, bolus volume, and chronic obstructive pulmonary disease. *The American Journal of Physiology*, 263(5 Pt 1), G750–G755. <https://doi.org/10.1152/ajpgi.1992.263.5.G750>
- Shumock, K. M., Appel, J., & Toonstra, A. (2015). Axillary Intra-aortic Balloon Pump Placement as a Means for Safe Mobility in a Patient Awaiting Left Ventricular Assist Device Implantation: A Case Report. *Cardiopulmonary Physical Therapy Journal*, 26(3), 53. <https://doi.org/10.1097/CPT.000000000000010>
- Silva, P. B. da, & Santos, L. J. D. (2019). Patient functionality and walking speed after discharge from the intensive care unit. *Revista Brasileira de terapia intensiva*, 31(4), 529–535. <https://doi.org/10.5935/0103-507X.20190066>
- Silveira, L. T. Y. da, Silva, J. M. da, Soler, J. M. P., Sun, C. Y. L., Tanaka, C., & Fu, C. (2018). Assessing functional status after intensive care unit stay: the Barthel Index and the Katz Index. *International Journal for Quality in Health Care: Journal of the International Society for Quality in Health Care / ISQua*, 30(4), 265–270. <https://doi.org/10.1093/intqhc/mzx203>
- Skinner, E. H., Berney, S., Warrillow, S., & Denehy, L. (2009). Development of a physical function outcome measure (PFIT) and a pilot exercise training protocol for use in intensive care. *Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine*, 11(2), 110–115. <https://www.ncbi.nlm.nih.gov/pubmed/19485874>
- Skoretz, S. A., Flowers, H. L., & Martino, R. (2010). The incidence of dysphagia following endotracheal intubation: a systematic review. *Chest*, 137(3), 665–673. <https://doi.org/10.1378/chest.09-1823>
- Smith-Gabai, H., & Holm, S. E. (2017). *Occupational Therapy in Acute Care*. AOTA Press. <https://play.google.com/store/books/details?id=Jp17zQEACAAJ>
- Sricharoenchai, T., Parker, A. M., Zanni, J. M., Nelliott, A., Dinglas, V. D., & Needham, D. M. (2014). Safety of physical therapy interventions in critically ill patients: a single-center prospective evaluation of 1110 intensive care unit admissions. *Journal of Critical Care*, 29(3), 395–400. <https://doi.org/10.1016/j.jcrc.2013.12.012>
- Stein, T. P., & Wade, C. E. (2005). Metabolic consequences of muscle disuse atrophy. *The Journal of Nutrition*, 135(7), 1824S–1828S. <https://doi.org/10.1093/jn/135.7.1824S>
- Steinberg, K. P., Hudson, L. D., Goodman, R. B., Hough, C. L., Lankester, P. N., Hyzy, R., Thompson, B. T., Ancukiewicz, M., & National Heart, Lung, and Blood Institute Acute Respiratory Distress Syndrome (ARDS) Clinical Trials Network. (2006). Efficacy and safety of corticosteroids for persistent acute respiratory distress syndrome. *The New England Journal of Medicine*, 354(16), 1671–1684. <https://doi.org/10.1056/NEJMoa051693>
- Stevens, R. D., Dowdy, D. W., Michaels, R. K., Mendez-Tellez, P. A., Pronovost, P. J., & Needham, D. M. (2007). Neuromuscular dysfunction acquired in critical illness: a systematic review. *Intensive Care Medicine*, 33(11), 1876–1891. <https://doi.org/10.1007/s00134-007-0772-2>



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- Teeple, E., Collins, J. E., Shrestha, S., Dennerlein, J. T., Losina, E., & Katz, J. N. (2017). Outcomes of safe patient handling and mobilization programs: A meta-analysis. *Work*, 58(2), 173–184. <https://doi.org/10.3233/WOR-172608>
- Toonstra, A. L., Zanni, J. M., Sperati, C. J., Nelliott, A., Manthey, E., Skinner, E. H., & Needham, D. M. (2016). Feasibility and Safety of Physical Therapy during Continuous Renal Replacement Therapy in the Intensive Care Unit. *Annals of the American Thoracic Society*, 13(5), 699–704. <https://doi.org/10.1513/AnnalsATS.201506-359OC>
- Tsui, A. S., Wang, H., & Xin, K. R. (2006). Organizational Culture in China: An Analysis of Culture Dimensions and Culture Types. *Management and Organization Review*, 2(3), 345–376. <https://doi.org/10.1111/j.1740-8784.2006.00050.x>
- Turner, D. A., Cheifetz, I. M., Rehder, K. J., Williford, W. L., Bonadonna, D., Banuelos, S. J., Peterson-Carmichael, S., Lin, S. S., Davis, R. D., & Zaas, D. (2011). Active rehabilitation and physical therapy during extracorporeal membrane oxygenation while awaiting lung transplantation: a practical approach. *Critical Care Medicine*, 39(12), 2593–2598. <https://doi.org/10.1097/CCM.0b013e3182282bbe>
- Umakanthan, R., Hoff, S. J., Solenkova, N., Wigger, M. A., Keebler, M. E., Lenneman, A., Leacche, M., Disalvo, T. G., Ooi, H., Naftilan, A. J., Byrne, J. G., & Ahmad, R. M. (2012). Benefits of ambulatory axillary intra-aortic balloon pump for circulatory support as bridge to heart transplant. *The Journal of Thoracic and Cardiovascular Surgery*, 143(5), 1193–1197. <https://doi.org/10.1016/j.jtcvs.2012.02.009>
- Van den Berghe, G., Schoonheydt, K., Becx, P., Bruyninckx, F., & Wouters, P. J. (2005). Insulin therapy protects the central and peripheral nervous system of intensive care patients. *Neurology*, 64(8), 1348–1353. <https://doi.org/10.1212/01.WNL.0000158442.08857.FC>
- Van den Berghe, G., Wilmer, A., Hermans, G., Meersseman, W., Wouters, P. J., Milants, I., Van Wijngaerden, E., Bobbaers, H., & Bouillon, R. (2006). Intensive insulin therapy in the medical ICU. *The New England Journal of Medicine*, 354(5), 449–461. <https://doi.org/10.1056/NEJMoa052521>
- van den Berghe, G., Wouters, P., Weekers, F., Verwaest, C., Bruyninckx, F., Schetz, M., Vlasselaers, D., Ferdinande, P., Lauwers, P., & Bouillon, R. (2001). Intensive insulin therapy in critically ill patients. *The New England Journal of Medicine*, 345(19), 1359–1367. <https://doi.org/10.1056/NEJMoa011300>
- Van Rompaey, B., Elseviers, M. M., Van Drom, W., Fromont, V., & Jorens, P. G. (2012). The effect of earplugs during the night on the onset of delirium and sleep perception: a randomized controlled trial in intensive care patients. *Critical Care / the Society of Critical Care Medicine*, 16(3), R73. <https://doi.org/10.1186/cc11330>
- Vieira, E. R., Schneider, P., Guidera, C., Gadotti, I. C., & Brunt, D. (2016). Work-related musculoskeletal disorders among physical therapists: A systematic review. *Journal of Back and Musculoskeletal Rehabilitation*, 29(3), 417–428. <https://doi.org/10.3233/BMR-150649>
- Wang, Y. T., Haines, T. P., Ritchie, P., Walker, C., Ansell, T. A., Ryan, D. T., Lim, P.-S., Vij, S., Acs, R., Fealy, N., & Skinner, E. H. (2014). Early mobilization on continuous renal replacement therapy is safe and may improve filter life. *Critical Care / the Society of Critical Care Medicine*, 18(4), R161. <https://doi.org/10.1186/cc14001>
- Waters, T. R. (2007). When is it safe to manually lift a patient? *The American Journal of Nursing*, 107(8), 53–58; quiz 59. <https://doi.org/10.1097/01.NAJ.0000282296.18688.b1>
- Weeks, A. (2016). Integration of theory into assessment and treatment: The Person-Environment-occupation Model in the intensive care unit. *Physical Disabilities Special Interest Section Quarterly*, 1(3), 22–24.



# Johns Hopkins Critical Care Rehabilitation Conference Adult Foundations Literature List

---

- Weinreich, M., Herman, J., Dickason, S., & Mayo, H. (2017). Occupational Therapy in the Intensive Care Unit: A Systematic Review. *Occupational Therapy in Health Care, 31*(3), 205–213. <https://doi.org/10.1080/07380577.2017.1340690>
- Wells, C. L., Forrester, J., Vogel, J., Rector, R., Tabatabai, A., & Herr, D. (2018). Safety and Feasibility of Early Physical Therapy for Patients on Extracorporeal Membrane Oxygenator: University of Maryland Medical Center Experience. *Critical Care Medicine, 46*(1), 53–59. <https://doi.org/10.1097/CCM.0000000000002770>
- Wilson, J. E., Collar, E. M., Kiehl, A. L., Lee, H., Merzenich, M., Ely, E. W., & Jackson, J. (2018). Computerized Cognitive Rehabilitation in Intensive Care Unit Survivors: Returning to Everyday Tasks Using Rehabilitation Networks-Computerized Cognitive Rehabilitation Pilot Investigation. *Annals of the American Thoracic Society, 15*(7), 887–891. <https://doi.org/10.1513/AnnalsATS.201709-744RL>
- Winkelman, C. (2007). Inactivity and inflammation in the critically ill patient. *Critical Care Clinics, 23*(1), 21–34. <https://doi.org/10.1016/j.ccc.2006.11.002>
- Wright, S. E., Thomas, K., Watson, G., Baker, C., Bryant, A., Chadwick, T. J., Shen, J., Wood, R., Wilkinson, J., Mansfield, L., Stafford, V., Wade, C., Furneal, J., Henderson, A., Hugill, K., Howard, P., Roy, A., Bonner, S., & Baudouin, S. (2018). Intensive versus standard physical rehabilitation therapy in the critically ill (EPICC): a multicentre, parallel-group, randomised controlled trial. *Thorax, 73*(3), 213–221. <https://doi.org/10.1136/thoraxjnl-2016-209858>
- Wyskiel, R. M., Weeks, K., & Marsteller, J. A. (2015). Inviting families to participate in care: a family involvement menu. *Joint Commission Journal on Quality and Patient Safety / Joint Commission Resources, 41*(1), 43–46. [https://doi.org/10.1016/s1553-7250\(15\)41006-2](https://doi.org/10.1016/s1553-7250(15)41006-2)
- Yang, T., Li, Z., Jiang, L., & Xi, X. (2018). Corticosteroid use and intensive care unit-acquired weakness: a systematic review and meta-analysis. *Critical Care / the Society of Critical Care Medicine, 22*(1), 187. <https://doi.org/10.1186/s13054-018-2111-0>
- Yataco, R. A., Arnold, S. M., Brown, S. M., David Freeman, W., Carmen Cononie, C., Heckman, M. G., Partridge, L. W., Stucky, C. M., Mellon, L. N., Birst, J. L., Daron, K. L., Zapata-Cooper, M. H., & Schudlich, D. M. (2019). Early Progressive Mobilization of Patients with External Ventricular Drains: Safety and Feasibility. *Neurocritical Care, 30*(2), 414–420. <https://doi.org/10.1007/s12028-018-0632-7>
- Young, H.-J., Mehta, T. S., Herman, C., Wang, F., & Rimmer, J. H. (2019). The Effects of M2M and Adapted Yoga on Physical and Psychosocial Outcomes in People With Multiple Sclerosis. *Archives of Physical Medicine and Rehabilitation, 100*(3), 391–400. <https://doi.org/10.1016/j.apmr.2018.06.032>
- Zaal, I. J., & Slooter, A. J. C. (2012). Delirium in critically ill patients: epidemiology, pathophysiology, diagnosis and management. *Drugs, 72*(11), 1457–1471. <https://doi.org/10.2165/11635520-000000000-00000>
- Zifko, U. A. (2000). Long-term outcome of critical illness polyneuropathy. *Muscle & Nerve. Supplement, 9*, S49–S52. [https://doi.org/10.1002/1097-4598\(2000\)999:9<::aid-mus9>3.0.co;2-9](https://doi.org/10.1002/1097-4598(2000)999:9<::aid-mus9>3.0.co;2-9)

